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	Application No.	Applicant(s)		
Notice of Allowability	09/661,035	TERASHIMA. TON	TERASHIMA, TOMOHIDE	
	Examiner	Art Unit		
	Steven Loke	2811		
The MAILING DATE of this communication app. All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT FOR the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED 5) or other appropriate comm RIGHTS. This application is	in this application. If not include nunication will be mailed in due	ded e course. THIS	
1. \boxtimes This communication is responsive to <u>amendment filed on</u>	<u>10/12/04</u> .			
2. The allowed claim(s) is/are <u>1-16</u> .				
3. The drawings filed on 13 September 2000 are accepted by	by the Examiner.			
 4. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have a linternational Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subt INFORMAL PATENT APPLICATION (PTO-152) which given the priority of the priority documents have a subtraction of	ve been received. ve been received in Application ocuments have been received. " of this communication to file MENT of this application. mitted. Note the attached Exves reason(s) why the oath of the second in the control of the second in the se	ion No ed in this national stage applic le a reply complying with the re (AMINER'S AMENDMENT or	equirements	
 CORRECTED DRAWINGS (as "replacement sheets") must be a considered on the Notice of Draftsper on 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examined Paper No./Mail Date 8. 	rson's Patent Drawing Revie r's Amendment / Comment o	or in the Office action of		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			e back) of	
7. DEPOSIT OF and/or INFORMATION about the dep attached Examiner's comment regarding REQUIREMENT			Note the	
Attachment(s) 1. Notice of References Cited (PTO-892)	5 □ Notice of I	nformal Patent Application (P	(O-152)	
Notice of Preferences Cited (PTO-932) Notice of Draftperson's Patent Drawing Review (PTO-948)		Summary (PTO-413),		
3. Information Disclosure Statements (PTO-1449 or PTO/SB. Paper No./Mail Date	Paper No	o./Mail Date s Amendment/Comment		
4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner'	s Statement of Reasons for Al	lowance	

U.S. Patent and Trademark Office PTOL-37 (Rev. 1-04)

of Biological Material

9. 🔲 Other ____.

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bernard Codd on 12/7/04.

The application has been amended as follows:

Claim 2, line 20, change "the position of the interface in the depth direction" to --a position of an interface between said first and fourth regions in a depth direction--.

Cancel claims 17 and 18.

2. The following is an examiner's statement of reasons for allowance: The first additional major difference in the claims not found in the prior art of record is the semiconductor device comprising: a plurality of fourth regions are spaced from each other by a distance allowing connection between depletion layers extending from neighboring said fourth regions, respectively, in an on state; and a fifth region of the second conductivity type formed between the semiconductor substrate of the first conductivity type and the first region of the second conductivity type. The second additional major difference in the claims not found in the prior art of record is the semiconductor device comprising: a second electrode portion connected to the second region; and the fourth regions comprises a plurality of discretely formed regions, and the neighboring fourth regions are spaced from each other by a distance allowing

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connection between depletion layers extending from the neighboring fourth regions, respectively, in an on state.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (571) 272-1657. The examiner can normally be reached on 7:50 am to 5:20 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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December 8, 2004

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